



City of Galveston  
**Municipal Utilities Monthly Report**  
**November 2021**

City of Galveston / 3015 Market Street / Galveston, TX / 77550

**MONTHLY REPORT  
OF WATER SUPPLIES**

**Nov-21**

**Galveston Daily Water Pumpage Report**

Day	Date	Purchased	Total Water Pumped on Island	30St Pumped Station GST Level 8 AM	59th Pumped Station GST Level 8 AM	Airport Pumped Station GST Level 8 AM
<b>Nov</b>	<b>2021</b>	From GCWA				
	1	10,156,000		18.1	15.9	20.5
	2	9,254,000		18.1	17.6	20.6
	3	9,917,000		18.1	17.2	18.6
	4	9,438,000		18.1	17.6	18.0
	5	9,828,000		18.1	18.1	18.2
	6	12,166,000		18.1	15.3	20.4
	7	8,461,000		18.1	19.9	18.1
	8	9,763,000		18.1	18.1	20.0
	9	10,401,000		18.1	15.0	18.0
	10	11,036,000		18.1	17.3	19.6
	11	9,546,000		18.1	20.1	19.0
	12	12,206,000		18.1	19.4	20.4
	13	14,032,000		16.2	20.3	19.8
	14	9,563,000		20.9	20.3	19.1
	15	12,308,000		17.8	20.3	19.9
	16	5,995,000		19.2	20.3	19.1
	17	6,911,000		13.7	20.3	18.1
	18	8,829,000		13.2	26.2	18.0
	19	9,884,000		13.0	20.4	20.2
	20	10,330,000		13.0	19.0	17.7
	21	10,065,000		13.0	18.6	19.0
	22	9,959,000		13.0	18.4	19.2
	23	8,820,000		13.1	20.1	20.3
	24	11,894,000		13.0	18.1	18.1
	25	10,034,000		13.0	21.0	17.5
	26	8,575,000		13.0	20.4	17.8
	27	9,430,000		13.0	18.6	20.5
	28	9,782,000		13.0	18.2	20.0
	29	9,406,000		13.0	19.0	17.0
	30	7,534,000		13.0	20.1	20.2
<b>Total</b>		<b>295,523,000</b>	<b>0</b>			
<b>Average</b>		<b>9,850,767</b>	<b>0</b>	<b>15.8</b>	<b>19.0</b>	<b>19.1</b>
<b>Maximum</b>		<b>14,032,000</b>	<b>0</b>	<b>20.9</b>	<b>26.2</b>	<b>20.6</b>
<b>Minimum</b>		<b>5,995,000</b>	<b>0</b>	<b>13.0</b>	<b>15.0</b>	<b>17.0</b>
<b>Year to Date</b>		<b>3,540,039,000</b>	<b>0</b>			

[illegible]

Monthly Data												Yearly	
	Month											Month Avg.	
Year	January	February	March	April	May	June	July	August	September	October	November	December	
2010	14,444,613	13,685,536	15,130,000	16,994,500	18,557,977	15,986,757	16,008,370	18,558,133	16,121,867	15,757,548	14,232,667	13,397,097	15,739,339
2011	12,361,290	12,871,929	13,405,355	15,093,828	17,021,355	16,900,241	17,388,613	17,175,968	15,961,067	14,724,379	14,278,333	12,578,258	14,980,051
2012	12,353,548	12,050,000	13,190,161	13,677,300	15,405,323	16,587,367	16,897,871	16,951,935	15,943,167	14,509,355	14,329,300	12,810,387	14,558,810
2013	12,005,677	12,078,750	13,597,667	13,091,767	15,122,581	16,965,833	18,214,452	17,797,968	15,827,900	14,289,452	13,649,500	13,370,903	14,667,704
2014	11,678,774	11,978,607	12,715,065	13,738,100	15,415,806	16,879,567	17,201,484	17,045,935	15,531,567	16,228,645	13,735,900	12,342,129	14,540,965
2015	12,379,129	12,532,429	12,637,000	13,247,000	14,186,000	15,387,333	18,119,065	17,962,387	14,821,400	14,599,742	13,365,367	12,698,097	14,327,912
2016	12,474,290	12,719,966	13,189,839	13,201,733	13,345,484	14,561,867	17,536,935	16,025,581	14,962,667	14,825,452	13,938,900	12,707,000	14,124,143
2017	12,285,839	12,168,179	12,997,968	13,692,767	14,729,355	15,047,667	16,471,645	15,253,548	14,997,100	14,126,032	12,316,867	9,357,692	13,620,388
2018	9,891,355	9,143,071	10,390,290	11,053,400	12,810,935	14,174,700	14,104,484	13,970,935	11,373,433	10,746,806	9,315,333	8,630,613	11,300,446
2019	8,470,355	8,755,464	9,754,774	9,672,200	10,706,355	11,939,633	13,210,258	13,709,194	12,348,267	10,767,290	9,416,167	9,125,833	10,656,316
2020	9,068,032	9,374,483	9,745,968	9,873,967	10,902,871	12,307,067	12,641,065	12,980,097	12,044,467	11,257,097	10,700,690	9,454,645	10,862,537
2021	9,066,677	10,396,607	9,231,355	9,944,200	10,911,968	11,879,967	11,843,226	11,802,355	11,328,333	10,297,548	9,850,767		11,655,300
Avg.	11,373,048	11,479,585	12,165,454	13,934,615	15,374,183	16,238,000	17,239,770	17,203,094	15,569,203	14,739,031	13,557,254	11,497,514	14,197,563

Distribution	FY2021 Nov	FYTD	FY2020 Nov
New water taps installed	37	38	33
Footage of water main installed	-	0	56.5
Water tap upgrade	-	0	1
Killed/Abandon Tap	-	0	-
Distribution system leaks repairs	17	22	56
Transmission line leaks repairs	19	27	-
Meter box installed	2	2	4
Valves installed	2	2	0
Valve repaired	2	3	4
Fire hydrant installed/ repaired	52	52	0
Property owners Leak	7	22	19
Low water pressure	10	32	45
Turn on & turn offs	5	8	5
Flush Hydrants	52	52	-
Fire line tap	-	0	-
Locate meter	-	0	-
Valve exercising	-	0	36
Replaced valve box	-	2	-
Replaced valve lid	-	2	2
Raised valve box	-	0	-
Located Valves	-	0	20
Installed valve	-	0	-
Clean valve boxes	-	0	36
Turn off valve for contractors	-	0	5

Collection	FY2021 Nov	FYTD	FY2020 Nov
New sewer taps installed	22	27	39
Repaired / replace sewer taps	7	3	5
Sewer taps / cleanout located	5	2	3
Collection point repairs	8	0	16
Cleanouts installed	10	6	6
Main line stoppages	9	14	10
Residential stoppages	43	52	51
Sewer line installed	-	182	82
Manhole installed	-	0	2
Manhole repaired / rebuilt	-	1	-
Manhole cover / rim replaced	2	4	-
Cave in repair	1	3	-

SLRAT & LCCTV	FY2021 Nov	FYTD	FY2020 Nov
Water Used (Gallons)	15,883	21,795	5,816
Material Removed (Yards)	16	38	17
Manholes Cleaned	22	41	-
Cleanouts Cleaned	20	45	-
Mains Cleaned (Feet)	6,609	10,958	3,240
Service Lateral Cleaned (Feet)	219	411	100
Service Lines TV'd (Feet)	265	678	12
Main Lines TV'd (Feet)	3,133	3,539	347
Debris Taken to Dump (lbs)	70,440	112,320	-
Mains Surveyed (Feet)	4,431	9,255	29,064
Mains Block (Feet)	1499	1,575	4,823
Proactive Inspection of Manholes	23	60	229
Proactive Line Cleaning (Feet)	2,610	2,610	-
Proactive Televising (Feet)	1,366	1,366	-

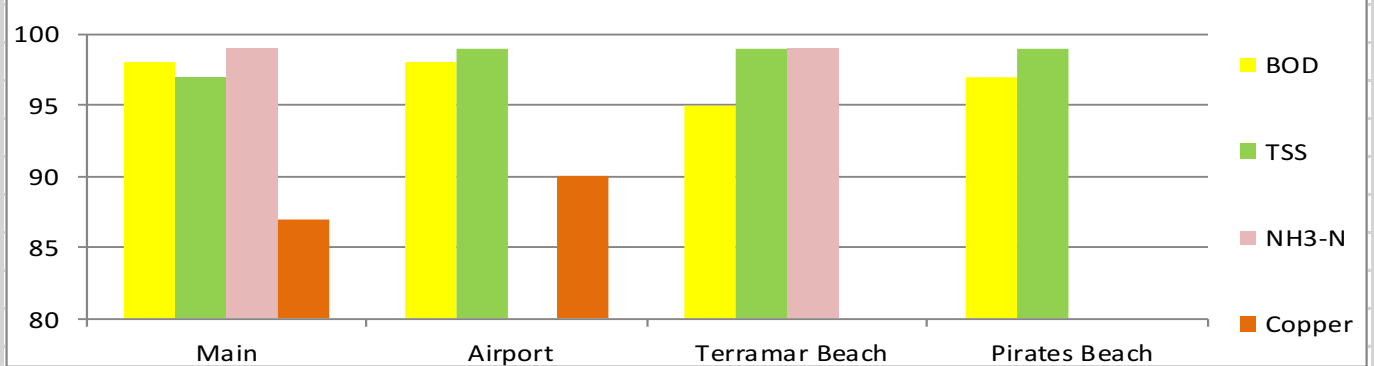
Meters	Nov-21	FYTD	Oct-21
METER TURN ON	344	786	442
METER TURN OFF	155	330	175
DELINQUENT OFF	149	476	327
DOOR NOTICE LEFT	210	660	450
RE-READS	602	1,213	611
REGISTER CHANGES	2	9	7
REPLACE METER BOX & COVER	29	65	36
T-STOP REPAIRS/LEAKS/OTHER/PROFILES	162	336	174
INSTALL NEW METER	8	11	3
PULLED METERS	9	19	10
Large Meter - Surveys	-	-	-
Large Meter - Repairs	-	-	-
Large Meter - Re-Reads	-	-	-
Large Meter - Reg. Changes	-	-	-

## Monthly Report November 2021

Million Gallons Per Day			Daily Max.	Average Mg/L			
Plant Flow	Average	2 Hr. Peak	Entero	Copper	BOD	TSS	NH3N
Main	4.094	NA	10	0.004	2.0	2.3	0.1
Airport	1.911	5.9	10	0.003	2.0	1.8	N/A
Terramar	0.220	N/A	10	N/A	2.0	1.0	0.10
Pirates	0.149	N/A	10	N/A	2.0	1.2	N/A
Seawolf Park		Under Design					
Permit Limits	Million Gallons Per Day						
Plant Flow	Average	2 Hr. Peak	Entero	Copper	BOD	TSS	NH3N
Main	10.0	NA	104	0.051	25	40	10
Airport	3.75	11.2	104	0.0256	45	45	N/A
Terramar	0.500	N/A	89	N/A	25	40	10
Pirates	0.625	N/A	104	N/A	45	45	N/A

*Pirates Beach Plant flow splits according to flow demand for the Golf Course. When demand is met the remaining flow is discharged into the Bayou. This flow is reported and mailed to T.C.E.Q on a MER - Monthly Effluent Report.*

### PERCENT CONTAMINANT REMOVAL FROM RAW WASTEWATER (Average Percent Recovery)



\*TSS- Total Suspended Solids    \* BOD - Biochemical Oxygen Demand    \* Copper    \*NH3-N - Ammonia as Nitrogen

These are permitted parameters set by the TCEQ

#### Main Wastewater Treatment Plant

1. Replaced Sprocket on Conveyor .
2. Replaced Chain and Keyway on Conveyor belt.
3. Manually remove scum & grit from SBR 1-6.

#### Airport Wastewater Treatment Plant

1. Blower 1 & 3 O/S .
2. Deragged 1 Influent Pumps .
3. Waiting for new terminal blocks for Blowers.

#### Pirates Beach Wastewater Treatment Plant

1. Removed (2) loads of sludge to Main Plant.
2. Generator radiator leaking.

#### Terramar Beach Wastewater Treatment Plant

1. Removed (4) loads of sludge to Main Plant.
2. Replaced ceiling tiles in blower room.

#### Lift Stations

1. Lift Station 53 new meter cam.
2. Repaired pump lift Station 57.
3. Installed Lift Station 16 rebuilt pump.
4. Installed Floats for portable pump.
5. LS 59 has no Electricity .

Public Works Municipal Utilities Department  
Industrial Pretreatment Program  
Monthly Report

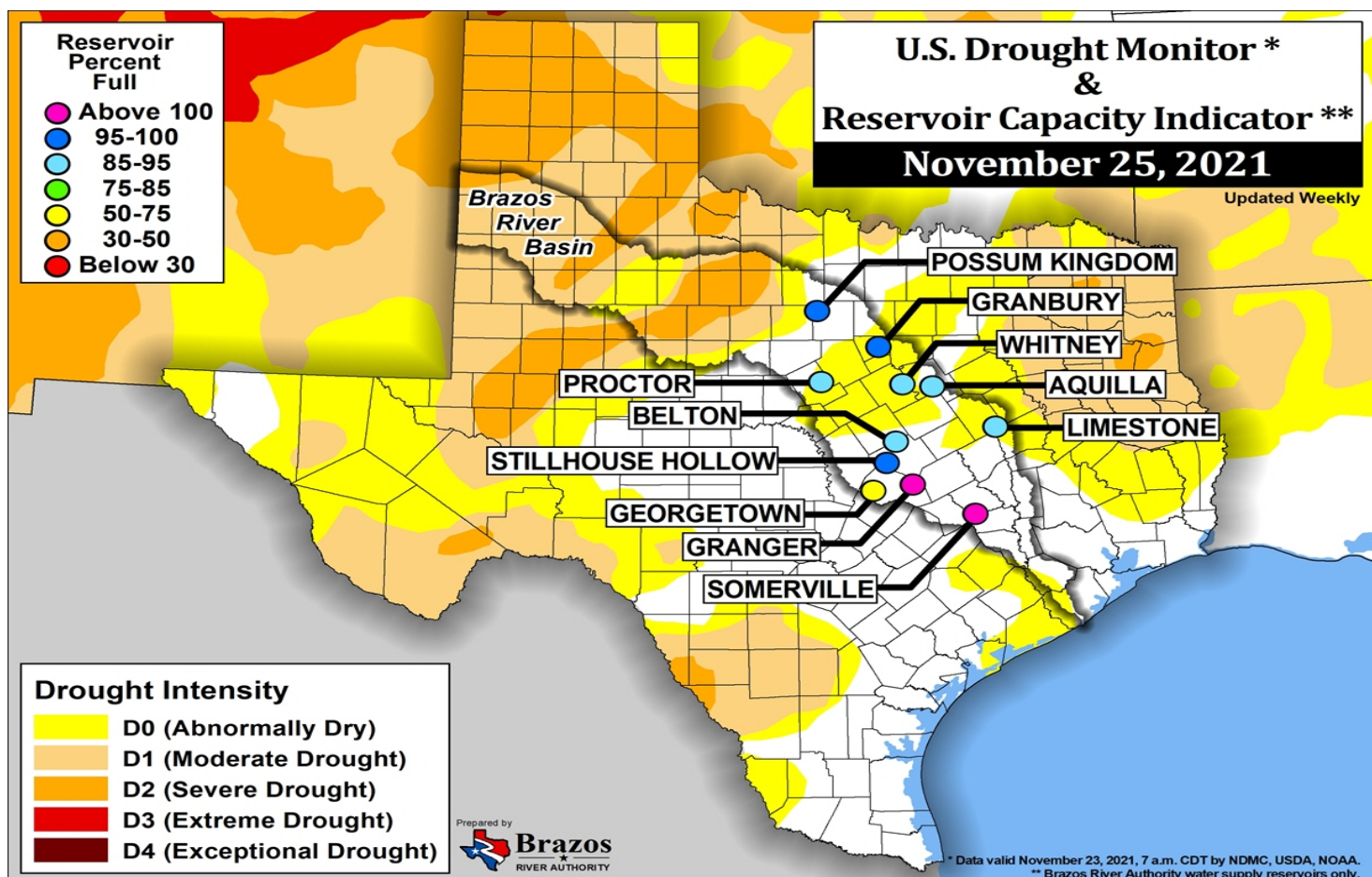
Nov-21

NOV's	3
Verbal Warnings	2
Denial Letters on Exemptions/Extensions	0
Consent Orders	0
Show Cause Orders	0
Emergency Water Suspension	0
Food service establishment inspections	220
Food service establishment inspection follow-ups	10
Industrial inspections	0
Waste hauler inspections	75
Hauled waste received at main plant (gallons)	99,455
Total waste hauler bill	\$5,325.00
(SSO's ) Inspections made	12
Witness pumping event	4
Written Enforcement	1

Other activities included:

Billing the County Jail. Data entry for pretreatment software. Data entry for FOG software. Investigation of sanity sewer complaints. Waste-hauler billing. Inspected sewer mains. Faxing SSO's. Entering SSO's on spreadsheet. Reconciling waste hauler tickets. Filing. Meeting with Restaurant Owners. Show Cause Hearings. Making files for new facilities. Making new spreadsheets.





### BRA Water Supply Reservoirs "PERCENT FULL" December 1, 2021

